

FACTORS INFLUENCING THE RISK OF HIV/ AIDS TRANSMISSION IN LESBIAN, GAY, BISEXUAL AND TRANSGENDER GROUP IN MADIUN

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ABSTRACT

Background: Incidence of Human Immunodeficiency Virus (HIV)/ Acquired Immune Deficiency Syndrome (AIDS) has been increasing for the last ten years in Indonesia, including Madiun, East Java. The purpose of this study was to determine factors influencing the risk of HIV/ AIDS transmission in lesbian, gay, bisexual and transgender (LGBT) group in Madiun, East Java.

Subjects and Method: This was an analytical cross-sectional study, with study population being LGBT in Madiun, East Java. A sample of 64 LGBTs were selected for this study by random sampling. The dependent variable was HIV infection. The independent variables were age, sex, education, sexual behavior, sex workers status, income level, and knowledge. The data were collected by questionnaire and analyzed by multiple logistic regression.

Results: The risk of HIV infection decreased among LGBTs who were aged 17-25 years (OR= 0.01; 95% CI = 2.45 to 4.57; $p = 0.001$), had good knowledge (OR= 0.01; 95% CI = 4.19 to 387.02; $p = 0.032$), and safe sexual behavior (OR= 0.12; CI 95% = 0.03 to 0.21; $p = 0.022$). The risk of HIV infection increased among LGBTs who were male (OR = 6.40; CI (OR = 2.70; 95% CI <0.01 to 13.25; $p = 0.004$), worked as sex worker (OR = 0.03; 95% CI = 9.45 to 782.69; $p = 0.008$), and had low income (OR = 0.01; 95% CI = 9.45 to 782.69; $p = 0.010$).

Conclusion: The risk of HIV infection decreased among LGBTs, who were aged 17-25 years, had good knowledge, and safe sexual behavior. The risk of HIV infection increased among LGBTs who were male, worked as sex worker, and had low income.

Keywords: HIV, LGBT (Lesbian, Gay, Bisexual and Transgender)

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